

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: PrentaLux

Report Number: P1504719

Luminaire Tested: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3500K_L12_Wide_120V)

Issue Date: 7/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1504719
TEST IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2602-677-36)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PrentaLux
Catalog Number: PRLX-UHBS2-1218-MV-L8C5-U-B-04-WHGL-PS (3500K_L12_Wide_120V)
Description: PrentaLux UHBS2 4-INCH SELECTABLE HIGH BAY 1218 LIGHT ENGINE, CONIC WHITE SHADE, WIDE DISTRIBUTION
LIGHT LEVEL 1 - 12,000 LUMENS
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

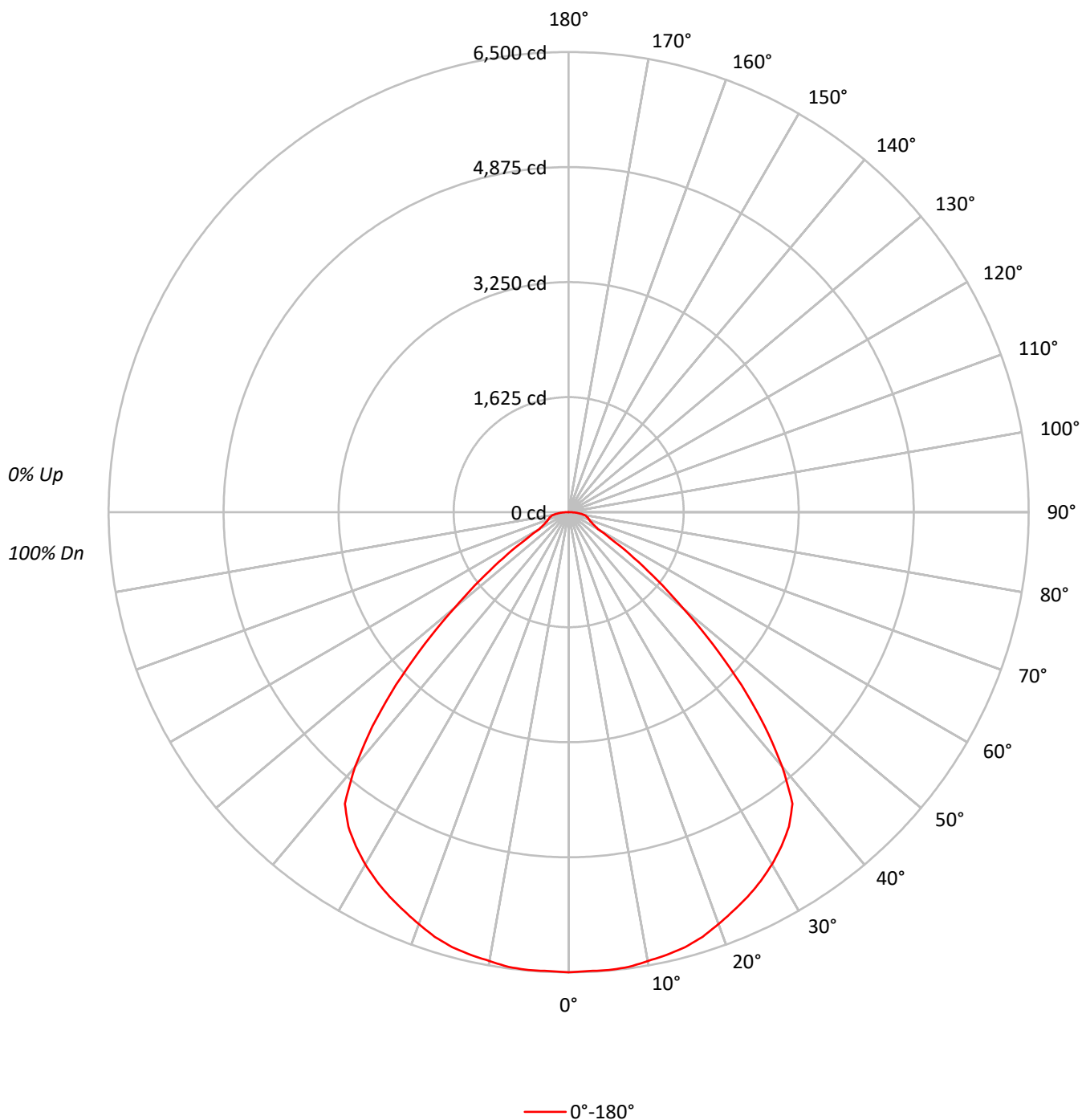
Lumens per Lamp: N/A
Luminaire Lumens: 12989.2 lumens
Efficiency: N/A
Efficacy: 159.0 lumens/watt
Spacing Criteria (0/90/45): 1.31 / 1.31 / 1.3
Luminous Opening: Circular (Dia: 1.26' x H: 0')
CIE Type: Direct

Input Watts (W): 81.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0		
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89		
2	104	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79		
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	72	70		
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62		
5	83	72	65	59	81	71	64	59	69	63	58	68	62	58	66	61	57	55		
6	78	66	58	53	76	65	58	53	64	57	52	62	56	52	61	55	51	50		
7	72	61	53	48	71	60	53	47	58	52	47	57	51	47	56	51	47	45		
8	68	56	48	43	66	55	48	43	54	47	43	53	47	43	52	46	42	41		
9	64	52	44	39	62	51	44	39	50	43	39	49	43	39	48	43	39	37		
10	60	48	41	36	59	47	40	36	46	40	36	46	40	36	45	39	35	34		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56256
5°	56421
10°	56589
15°	56985
20°	57041
25°	57207
30°	57410
35°	57321
40°	53034
45°	42228
50°	28403
55°	16958
60°	8283
65°	7512
70°	7807
75°	9173
80°	10931
85°	12334

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 42228 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	618.1	4.8
10°-20°	1794.2	13.8
20°-30°	2762.6	21.3
30°-40°	3354.4	25.8
40°-50°	2627.3	20.2
50°-60°	1046.1	8.1
60°-70°	371.9	2.9
70°-80°	285.6	2.2
80°-90°	129.0	1.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	5175.0	39.8
0°-40°	8529.3	65.7
0°-60°	12202.7	93.9
0°-90°	12989.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	12989.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	6500	
5°	6494	618
15°	6359	1794
25°	5990	2763
35°	5425	3354
45°	3450	2627
55°	1124	1046
65°	367	372
75°	274	286
85°	124	129
90°	0	

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CANDELA DISTRIBUTION (FULL):

	0°
0°	6499.5
2.5°	6487.0
5°	6493.7
7.5°	6478.7
10°	6438.6
12.5°	6403.6
15°	6359.4
17.5°	6288.6
20°	6192.7
22.5°	6090.2
25°	5990.1
27.5°	5876.7
30°	5744.2
32.5°	5594.9
35°	5424.9
37.5°	5193.9
40°	4693.7
42.5°	4104.3
45°	3449.8
47.5°	2757.9
50°	2109.3
52.5°	1574.9
55°	1123.8
57.5°	734.5
60°	478.5
62.5°	414.3
65°	366.8
67.5°	328.5
70°	308.5
72.5°	291.0
75°	274.3
77.5°	251.8
80°	219.3
82.5°	178.4
85°	124.2
87.5°	61.7
90°	0.0

(END OF REPORT)